



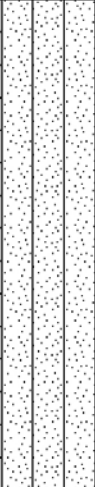


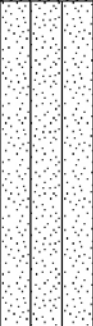





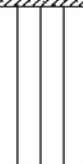
Appendix C



DIRECT PUSH SOIL LOGS



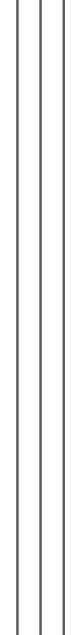
DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,553.3 E 541,826.3				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-201		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE	
				STARTED 11/19/2003		COMPLETED 11/19/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 16.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Moist, Soft Lean Clay: 85% Organic Fine Clay, 15% Fine-grained Sand, Dark.				
+2.0	1.0		Moist, Soft Lean Clay: 70% Plastic Fine Clay, 25% Fine-grained sand, 5% Organic Clay. Note: Sulfur Odor from soil.				
-2.5	5.5		Moist, Soft Lean Clay: 60% Plastic Fine Clay, 35% Fine Sand, 5% Organic Clay. Dark yellow-brown (4/4).	100	201-6 6.0 7.0		

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,528.5 E 541,827.4				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-202		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE 11/19/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0		COMPLETED 11/19/2003	
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 16.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Soft Organic Clay.				
+2.0	1.0		Moist, Loose Silty Sand; 60% Fine Sand, 40% Non-plastic Fines, Yellow-Brown (5/6).	100	202-2 2.0 3.0		
-1.0	4.0		Moist Soft, Lean Clay; 90% Plastic Fines, 10% Sand, Trace of Organic Matter, Brown (4/3).				

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-202	
PROJECT Northwest Alleged Disposal Area			INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
-11.0	14.0		Moist Soft, Lean Clay; 90% Plastic Fines, 10% Sand, Trace of Organic Matter, Brown (4/3). (continued)			
-13.0	16.0		Dry, Loose Silty Sand; 70% Fine Sand, 30% Non-plastic Fines, Brown-Yellow (6/8) (Possibly Decomposed Bedrock).	100	202-14 14.0 15.0	

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,462.3 E 541,852.9				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-203		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE	
				STARTED 11/18/2003		COMPLETED 11/18/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 10.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Moist Organic Clay.	100	203-0 0.0 1.0		
+2.5	0.5		Moist, Loose Lean Clay, 80% Plastic Fines, 20% Organics, Dark Brown (3/3).				
0.0	3.0		Moist, Loose Lean Clay, 95% Plastic Fines, 5% Organics, with Fine-grained Sand, Dark Brown (3/3).				
-4.0	7.0		Wet, Soft, Silt; Dark Grey (4/1).				
































DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-203		
PROJECT Northwest Alleged Disposal Area				INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
-7.0	10.0		Wet, Soft, Silt; Dark Grey (4/1). (continued)				
-7.5	10.5		Gravelly Greenstone (serpentine?). Note: Drilling refused at approximately 10 Feet.				




DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,437.6 E 541,853.0				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-204		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE	
				STARTED 11/18/2003		COMPLETED 11/18/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 16.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Moist Organic Clay with Roots.				
+1.5	1.5		Moist, Soft Lean Clay: 85% Plastic Fine Clay, 10% Fine sand, 5% Organic Clay. Dark Grey-Brown (4/2).				
-1.0	4.0		Wet, Soft, Silt; 90% Fine Sand, 10% Fine-grained Sand, Trace of Organic Clay. Dark Grey (4/1).	100	204-6 5.0 6.0		

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-204		
PROJECT Northwest Alleged Disposal Area				INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
-7.5	10.5		Wet, Soft, Silt; 90% Fine Sand, 10% Fine-grained Sand, Trace of Organic Clay. Dark Grey (4/1). (continued)				
-11.0	14.0		Wet, Soft, Silty Sand; 60% Fine-grained Sand, 40% Non Plastic Fines, Grey-Brown (5/2). Note: Broken Carbonate Shells present at 11.0 feet.				
-13.0	16.0		Moist, Soft, Sandy Silt; 60% Silt, 40% Fine-grained Sand. Light Brown Grey (6/2).	100	204-14 14.0 15.0		



DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,458.6 E 541,878.1				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-205		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE STARTED 11/19/2003 COMPLETED 11/19/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 14.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Organic Top Soil with Root matter.				
+2.0	1.0		Moist, Soft Lean Clay: 70% Plastic Fine Clay, 30% Organic Clay. Dark Grey-Brown (4/2).				
+0.5	2.5		Moist Clayey Sand; 70% Medium to Fine-grained Sand, 30% plastic clay, Trace of Organic, Dark Yellow-Brown (4/4).				
-3.3	6.3		Wet, Soft, Silt; 90% Fine Sand, 10% Fine-grained Sand, Trace of Organic Clay. Dark Grey (4/1).	100	205-6 6.0 7.0		

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-205		
PROJECT Northwest Alleged Disposal Area				INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
-5.5	8.5		Wet, Soft, Silt; 90% Fine Sand, 10% Fine-grained Sand, Trace of Organic Clay. Dark Grey (4/1). (continued)				
-11.0	14.0		Wet to Moist, Soft Sandy Lean Clay; 60% Fine Sand, 40% Plastic Fine Clay. Gray (6/1).				
-13.0	16.0		Moist Clayey Sand; 60% Fine-grained Sand, 40% Plastic Fines, Brown (4/3). Note: Driller hit Bedrock at 16 feet.	100	205-14 14.0 15.0		

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,447.2 E 541,818.0				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-206		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE STARTED 11/18/2003 COMPLETED 11/18/2003			
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE +3.0			
9. TOTAL DEPTH OF HOLE 8.0				18. TOTAL CORE RECOVERY FOR BORING 80 %			
				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Moist Organic Top Soil with roots.				
+2.7	0.3		Dry, Hard, Silty Sand; 70% Fine-grained Sand, 30% Non Plastic Fines, Brown-Yellow (6/8). Note: Very Tough Drilling.				
				100	206-01 1.0 2.0	Possibly sandstone and not soil.	
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
-5.0	8.0						

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,499.2 E 541,878.9				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-207		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE STARTED 11/19/2003 COMPLETED 11/19/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 16.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Organic Clay with Root Particles.				
+2.0	1.0		Moist, Soft Lean Clay; 85% Plastic Fine Clay, 10% Fine sand, 5% Organic Clay. Dark Yellow-Brown (4/4).				
				100	207-4 4.0 5.0		
-3.0	6.0		Wet, Soft Plastic Clay; 90% Plastic Fine Clay, 5% Fine Sand, 5% Organic Clay. Dark Brown.				

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,408.3 E 541,877.7				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-208		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0	UNDISTURBED 2
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE STARTED 11/18/2003 COMPLETED 11/18/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 16.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Organic Soil/Clay with Root Particles.				
+1.0	2.0		Moist, Loose, Sandy Silt; 80% Silt, 20% Fine-grained Sand. Brown (4/3).				
-1.0	4.0		Moist, Loose, Sandy Silt; 80% Silt, 20% Fine-grained Sand. Dark Grey (5/2).				
				100	208-06 6.0 7.0		

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-208	
PROJECT Northwest Alleged Disposal Area			INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
-5.2	8.2		Wet, Loose, Sandy Silt; 80% Silt, 10% Clay, 10% Fine-grained Sand. Dark Grey (5/2).			
-9.0	12.0		Moist, Soft, Clay; 70% Plastic Fines, 30% Fined-grained Sand, Olive Gray (5/2 5Y).	100	208-14 14.0 15.0	
-13.0	16.0					





DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in.			
2. LOCATION (Coordinates or Station) N 4,213,408.3 E 541,877.7				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-2081		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 0	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE		STARTED 11/18/2003 COMPLETED 11/18/2003	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE +3.0			
9. TOTAL DEPTH OF HOLE 16.0				18. TOTAL CORE RECOVERY FOR BORING 80 %			
				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Organic Soil/Clay with Root Particles.		0 0.0 0.0	No Samples Collected.	
+1.5	1.5		Moist, Soft, Lean Clay; 5% Organic Particles, Dark Brown (3/3).				
-5.0	8.0						



DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-2081	
PROJECT Northwest Alleged Disposal Area			INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
			Wet Non-plastic and Plastic Clays, Dark Gray().			
-8.5	11.5		Moist, Stiff Sandy Lean Clay; 30% Fine-grained Sand, Dark Brown (3/3).			
-13.0	16.0					


DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in.			
2. LOCATION (Coordinates or Station) N 4,213,408.3 E 541,877.7				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-2082		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 0	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE		STARTED 11/18/2003 COMPLETED 11/18/2003	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE +3.0			
9. TOTAL DEPTH OF HOLE 16.0				18. TOTAL CORE RECOVERY FOR BORING 80 %			
				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Organic Soil/Clay with Root Particles.		0 0.0 0.0	No Samples Collected.	
+2.0	1.0		Poorly-graded, Fine-grade Sand w/Clay; 90% Fine-grained Sand, 10% Non-Plastic Fines, Pale Brown (6/3).				
-1.5	4.5		Wet/Moist, Soft, Silt; 80% Non-plastic Fines, 10% Fine-grained Sand, 10% Organics, Dark Grey (5/2).				



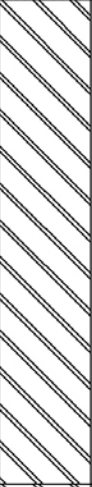

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-2082		
PROJECT Northwest Alleged Disposal Area				INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
-10.0	13.0		Wet/Moist, Soft, Silt; 80% Non-plastic Fines, 10% Fine-grained Sand, 10% Organics, Dark Grey (5/2). (continued)				
-13.0	16.0		Moist, Soft, Sandy Silt; 70% Silt, 30% Fine-grained Sand. Brown (5/3).				



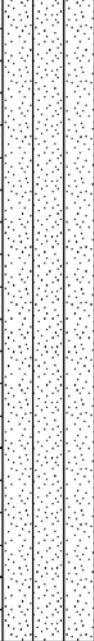

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,508.5 E 541,856.5				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-209		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8		16. DATE HOLE 11/19/2003	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE +3.0		COMPLETED 11/19/2003	
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING 80 %			
9. TOTAL DEPTH OF HOLE 16.0				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Moist, Soft Lean Clay: 85% Plastic Fine Clay, 10% Fine Sand, 5% Organic Clay. Dark yellow-brown (4/4).				
+1.8	1.3		Moist, Soft Lean Clay: 90% Plastic Fine Clay, 5% Fine sand, 5% Organic Clay. Dark gray-brown (4/2).				
-0.8	3.8		Moist, Soft Lean Clay: 60% Plastic Fine Clay, 40% Fine Sand, Trace Organic Clay. Dark yellow-brown (4/4).				
				100	209-4 4.0 5.0		



DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-209	
PROJECT Northwest Alleged Disposal Area			INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
-5.3	8.3		Wet, Soft Clay: 90% Plastic Fine Clay, 10% Fine Sand, Dark Brown (3/3).			
-9.0	12.0		Moist to Wet Soft Clay: 60% Plastic Fine Clay, 40% Fine Sand, Brown (4/3).			
-12.0	15.0		Wet, Soft Clay: 90% Plastic Fine Clay, 10% Fine Sand, Dark Brown (3/3).	100	209-14 14.0 15.0	
-13.0	16.0					

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,506.6 E 541,812.9				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-210		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE		STARTED 11/18/2003 COMPLETED 11/18/2003	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE +3.0			
9. TOTAL DEPTH OF HOLE 16.0				18. TOTAL CORE RECOVERY FOR BORING 80 %			
				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Moist, Soft Lean Organic Clay				
+2.0	1.0						
			Moist, Soft, Sandy Lean Clay; 70% Plastic Fines, 25% Fine-grained Sand, 5% Organic, Dark Brown (3/3).	100	210-7 2.0 3.0		
-4.0	7.0						
			Wet, Soft, Sandy Lean Clay; 70% Plastic Fines, 25% Fine-grained Sand, 5% Organic, Dark Brown (3/3).				

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-210	
PROJECT Northwest Alleged Disposal Area			INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
-7.0	10.0		Wet, Soft, Sandy Lean Clay; 70% Plastic Fines, 25% Fine-grained Sand, 5% Organic, Dark Brown (3/3). (continued)	100	210-14 13.5 14.5	MS/MSD
-8.5	11.5		Wet, Soft, 70% Plastic Fines, 30% Fine-grained Sand, Dark Grey (3/1).			
-13.0	16.0		Wet, Stiff, 70% Plastic Fines, 30 Fine-grained Sand, Dark Grey (3/1).			

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,481.8 E 541,827.9				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-211		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE		STARTED 11/19/2003 COMPLETED 11/19/2003	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE +3.0			
9. TOTAL DEPTH OF HOLE 16.0				18. TOTAL CORE RECOVERY FOR BORING 80 %			
				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Saturated, Organic Clay.				
+2.5	0.5		Moist Soft Lean Clay; 80% Plastic Fines, 15% Fine Sand, 5% Organic matter. Dark Grey and Brown (3/2).				
-1.0	4.0		Moist Soft Lean Clay; 90% Plastic Fines, 10% Fine Sand, Tarce Organic matter. Dark Grey-Brown (3/2).	100	211-6 5.0 6.0		
-4.0	7.0		Wet, Soft Lean Clay; 90% Plastic Fines, 10% Fine Sand, Tarce Organic matter. Dark Grey-Brown (3/2).				

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-211	
PROJECT Northwest Alleged Disposal Area			INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
-6.0	9.0		Wet, Soft Lean Clay; 90% Plastic Fines, 10% Fine Sand, Trace Organic matter. Dark Grey-Brown (3/2). (continued)			
-7.0	10.0		Wet to Moist Sandy Clay; 60% Fine-grained Sand, 40% Fine to medium-grained Sand, Dark Grey (4/1). Note: Also found the presence of Carbonate Shell Fragments.			
-11.0	14.0		Dry, Loose Silty Sand; 70% Fine-grained Sand, 30% Non-plastic Fines, Brown-Yellow (6/8). Possibly Decomposed Bedrock.	100	211-14 13.0 14.0	
-13.0	16.0		Bedrock Material. Refusal at 14 feet.			

DRILLING LOG		DIVISION USACE SPK SACRAMENTO		INSTALLATION HAMILTON AAF (HAAF)		SHEET 1 OF 2 SHEETS	
1. PROJECT Northwest Alleged Disposal Area				10. SIZE AND TYPE OF BIT 3.74 in			
2. LOCATION (Coordinates or Station) N 4,213,414.4 E 541,852.0				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY VIRONEX				12. MANUFACTURER'S DESIGNATION OF DRILL Direct Push			
4. HOLE NO. (As shown on drawing title and file number)		HAAF-ADA-212		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 0 UNDISTURBED 2	
5. NAME OF DRILLER Brian McColgan				14. TOTAL NUMBER CORE BOXES 0			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED --- DEG. FROM VERT.				15. ELEVATION GROUND WATER 2.8			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE		STARTED 11/18/2003 COMPLETED 11/18/2003	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE +3.0			
9. TOTAL DEPTH OF HOLE 16.0				18. TOTAL CORE RECOVERY FOR BORING 80 %			
				19. GEOLOGIST Tim Crummett			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g	
+3.0	0.0		Organic Clay with Root Particles.				
+1.5	1.5		Moist, Soft Lean Clay: 85% Plastic Fine Clay, 10% Fine-grained Sand, 5% Organic Clay. Dark Yellow-Brown (4/4). Note: Carbonate shells found at approximately 7 feet.				
				100	212-06 6.0 7.0		
-5.0	8.0						

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE 3.0		Hole No. HAAF-ADA-212	
PROJECT Northwest Alleged Disposal Area				INSTALLATION HAMILTON AAF (HAAF)		SHEET 2 OF 2 SHEETS
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth weathering, etc., if significant) g
-6.0	9.0		Wet, Soft, Silt; 60% Non-plastic Fines, 40% Fine-grained Sand, Trace of Organic Clay. Grey-Brown (5/2).			
-9.3	12.3		Moist, Stiff Lean Clay: 80% Non-plastic Fine Clay, 20% Fine-grained Sand. Grey-Brown (5/2).			
-13.0	16.0		Moist, Hard Lean Clay: 90% Non-plastic Fine Clay, 10% Fine-grained Sand. Dark Yellow-Brown (5/4).	100	212-14 14.0 15.0	